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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number Of Pages In This Submission

6

Application Number

10/080,435

Filing Date

February 22, 2002

First Named Inventor

Mark G. ERLANDER

Group Art Unit

1645

Examiner Name

To Be Assigned

Attorney Docket No.

485772003300

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TECH CENTER 1600/2300**ENCLOSURES (check all that apply)**☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declarations☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement;
PTO form 1449; and 17 References☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53☐ Assignment Papers
(for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to
Group☐ Appeal Communication to Board of
Appeals and Interferences☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify
below): Return postcard

Remarks

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm

or

Individual Name

Kawai Lau, Registration No. 44,461

Morrison & Foerster LLP

3811 Valley Centre Drive, Suite 500; San Diego, CA 92130-2332

Signature

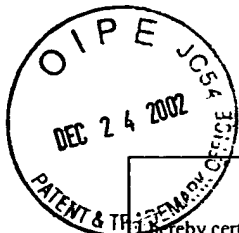
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Jose Luna

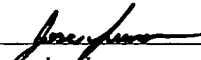
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PATENT
Docket No. 485772003300

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Jose Luna

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Mark G. ERLANDER, et al.

Serial No.: 10/080,435

Filing Date: February 22, 2002

For: QUANTITATIVE
IMMUNOHISTOCHEMISTRY (QIHC)

Examiner: To Be Assigned

Group Art Unit: 1645

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**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97**

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of * is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of * is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

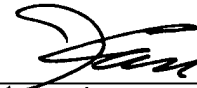
In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to

charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 485772003300. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: December 17, 2002

Respectfully submitted,

By: _____



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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 485772003300	Application Number 10/080,435
	Applicant Mark G. ERLANDER, et al.	
	Filing Date February 22, 2002	Group Art Unit 1645
	Mailing Date December 17, 2002	

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	File Date If Appropriate
	1.	07/1994	5,328,985	Sano et al.	530	350	
	2.	09/1997	5,665,539	Sano et al.	435	6	
	3.	07/1999	5,922,553	Eberwine et al.	435	7.92	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	4.	08/1993	WO 93/15229	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	5.	Brown et al. "Defining the Smallest Analyte Concentration An Immunoassay Can Measure" Clinical Chemistry 42(6):893-903 (1996)
	6.	Cao et al. "In-Situ Immuno-PCR to Detect Antigens" Lancet 356:1002-1003 (2000)
	7.	Chamberlin et al. <u>The Enzymes</u> (Boyer, ed.) Academic Press, New York pp.87-108 (1982)
	8.	Ebersole et al. "Analyte Detection With DNA-Labeled Antibodies and Polymerase Chain Reaction" Clinical Chemistry 41(9):1371-1377 (1995)
	9.	Emmert-Buck et al. "Laser Capture Microdissection" Science 274:998-1001 (1996)
	10.	Hendrickson et al. "High Sensitivity Multianalyte Immunoassay Using Covalent DNA-Labeled Antibodies and Polymerase Chain Reaction" Nucleic Acids Research 23(3):522-529 (1995)
	11.	McElhinny et al. "Detection of Major Histocompatibility Complex Class I Antigens on the Surface of a Single Murine Blastocyst by Immuno-PCR" Biotechniques 23(4):660-662 (1997)
	12.	Niemeyer. "Bioorganic Applications of Semisynthetic DNA-Protein Conjugates" Chem. Eur. J. 7(15):3189-3195
	13.	Sano et al. "Immuno-PCR: Very Sensitive Antigen Detection by Means of Specific Antibody-DNA Conjugates" Science 258:120-122 (1992)
	14.	Shweitzer et al. "Immunoassays with Rolling Circle DNA Amplification: A Versatile Platform for Ultrasensitive Antigen Detection" Proc. Natl. Acad. Sci. USA 97:10113-10119 (2000)

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Form PTO-1449

Docket Number 485772003300

Application Number 10/080,435

Applicant

Mark G. ERLANDER, et al.

Filing Date February 22, 2002

Group Art Unit 1645

Mailing Date December 17, 2002

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

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| 15. | Sims et al. "Immunopolymerase Chain Reaction Using Real-Time Polymerase Chain Reaction for Detection" Analytical Biochemistry 281:230-232 (2000) |
| 16. | Zhang et al. "Cellular Immuno-PCR Detection of a Carbohydrate Tumor Marker" American Journal of Pathology 152:1427-1432 (1998) |
| 17. | Zhou et al. "Universal Immuno-PCR for Ultra-Sensitive Target Protein Detection" Nucleic Acids Research 21(25):6038-6039 (1993) |

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